

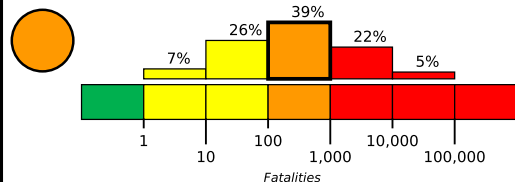
## M 7.3, Southern Qinghai, China

Origin Time: 2021-05-21 18:04:13 UTC (Sat 00:04:13 local)

Location: 34.5884° N 98.2402° E Depth: 10.0 km

Created: 3 weeks, 5 days after earthquake

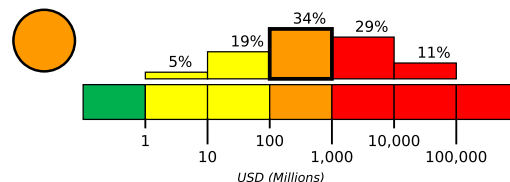
### Estimated Fatalities



Orange alert for shaking-related fatalities and economic losses. Significant casualties and damage are likely and the disaster is potentially widespread. Past orange alerts have required a regional or national level response.

Estimated economic losses are less than 1% of GDP of China.

### Estimated Economic Losses

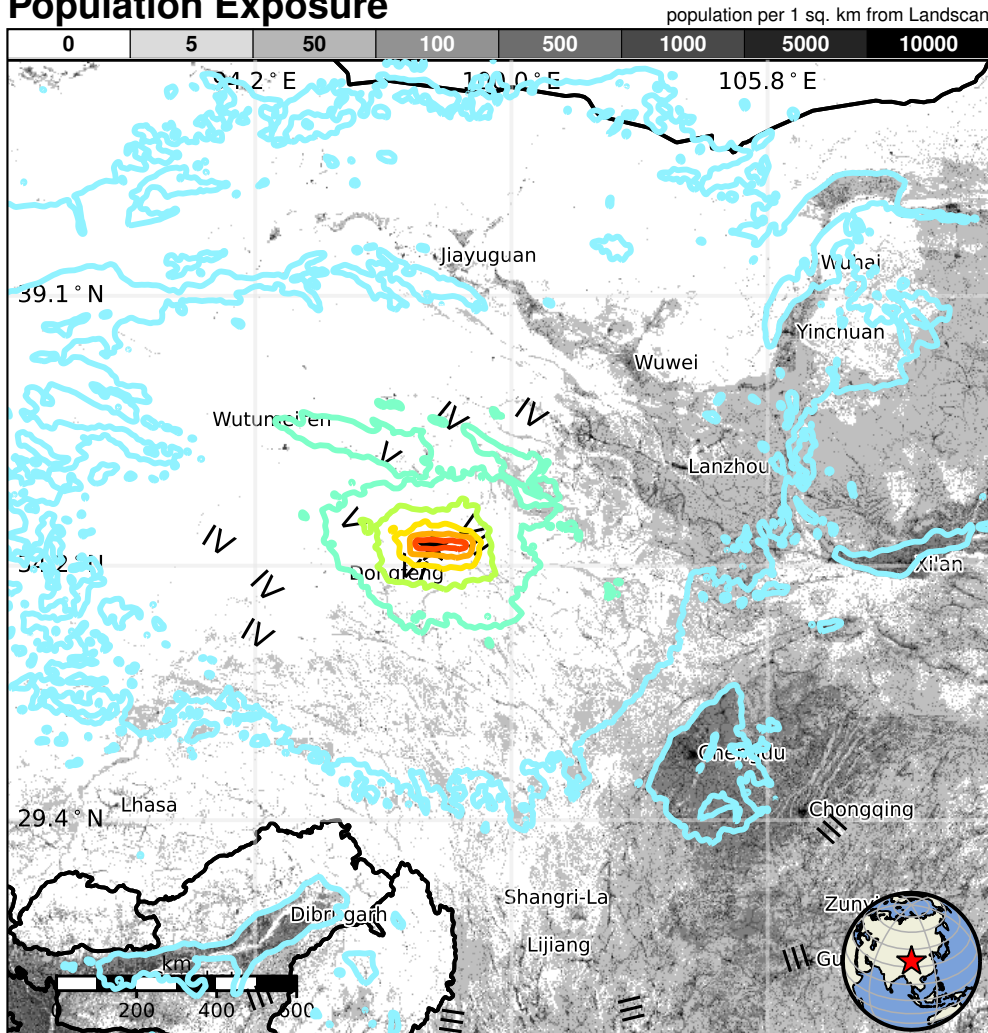


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	277,804k*	122,266k	530k	48k	10k	3k	3k	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1994-01-03	240	5.7	VII(5k)	0
1982-06-15	338	5.6	VI(2k)	11
1990-04-26	244	6.2	IX(6k)	119

### Selected City Exposure

from GeoNames.org

MMI	City	Population
IX	Huanghe	<1k
VIII	Heihe	<1k
VII	Changmahe	<1k
VII	Machali	<1k
VI	Zhalinghu	<1k
VI	Youyun	<1k
IV	Chengdu	7,416k
IV	Lanzhou	2,628k
IV	Xi'an	6,501k
III	Kunming	3,855k
III	Chongqing	7,458k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000e54r#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000e54r